

B/O Form PTO-1449	Docket Number HOGL3001/REF	Serial Number #8
U.S. Department of Commerce Patent and Trademark Office	Applicant HOGLUND et al.	
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U.S. Patent Documents

Examiner Initial	Document Number	Date	Patentee/Applicant	Class	Subclass	Filing Date if Appropriate

Foreign Patent Documents

Examiner Initial	Document Number	Publication Date	Country/Agency	Class	Subclass	Translation	
						Yes	No
RK	WO 9907867 A1	2/18/99	WIPO				
1	WO 9806862 A1	2/19/98	WIPO				
1	WO 9818910 A1	5/7/98	WIPO				
1	WO 9613149 A1	5/9/96	WIPO				
✓	WO 9930701 A1	6/24/99	WIPO				
RK	WO 9837874 A1	9/3/98	WIPO				

Other Documents (Including Author, Title, Date, Pertinent Pages, Place of Publication, Etc.)

RK	Susan Budavari et al., "THE MERCK INDEX", twelfth edition, 1996, MERCK & CO., INC. NJ, see entries 890, "Astaxanthin"; 1798, "Canthaxanthin"; 10197, "Xanthophyll".
1	EMBL/GenBank/DDBJ databases, accession no. X86782, 1997-11-30, Harker N. et al., "H.pluvialis mRNA for beta-carotene C-4 oxygenase".
1	EMBL/GenBank/DDBJ databases, accession no. D45881, 1995-12-29, Kajiware S.: "Haematococcus pluvialis mRNA for bet-carotene ketolase, complete cds".
1	EMBL/GenBank/DDBJ databases, accession no. X86783, 1998-06-02, Harker M. et al., "H.pluvialis mRNA for phyteone desaturase".
1	EMBL/GenBank/DDBJ databases, accession no. AF082325, Sun Z. et al.: "Haematococcus pluvialis isopentenyl pyrophosphate:dimethylallyl pyrophosphate isomerase (ipiHp1) mRNA, complete cd, 1998-08-18.
1	EMBL/GenBank/DDBJ databases, accession no. AF082326, 1998-08-18, Sun Z. et al: "Haematococcus pluvialis isopenetyl pyrophosphate:dimethylallyl pyrophosphate isomerase (ipiHp2) mRNA, complete cds".
1	EMBL/GenBank/DDBJ databases, accession no. AF162276, 1999-09-10, Linden H.: "Haematococcus pluvialis carotenoid hydroxylase mRNA, partial cds".
✓	Dialog Information Services, file 34, SciSearch, Dialog accession no. 04511134, BISWAL B; "Carotenoid catabolism during leaf senescence and its control by light"; & Journal of photochemistry and photobiology B-biology, 1995, v 30 N1 (SEP), P3-13.
RK	JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY B., vol. 30, 1995, BISWAL B. et al., "Carotenoid catabolism during leaf senescence and its control by light", page 3-page 13.

Examiner Russell Kallis	Date Considered 11/26/2004
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EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; Draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.